

DECLARATION AND POWER OF ATTORNEY

REGULAR OR DESIGN APPLICATION

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**POLYCYCLIC ARYL AND HETEROARYL SUBSTITUTED BENZENES
USEFUL FOR SELECTIVE INHIBITION OF THE COAGULATION CASCADE**

the specification of which:

(check one)

☐ is attached hereto

☒ was filed on March 13, 2001 as Application Serial No. 09/804,959, and was amended on _____.

☐ was described and claimed in PCT International Application No. _____, filed on _____ and as amended under PCT Article 19 on _____, if any.

ACKNOWLEDGMENT OF REVIEW OF PAPERS AND DUTY OF CANDOR

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations §1.56.

PRIORITY CLAIM

I hereby claim foreign priority benefits under Title 35, United States Code, §119 (a) - (d) or §365(b) of any foreign application for patent or inventor's certificate, or §365(a) of any PCT application which designates at least one country other than the United States of America, listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Priority Claimed

<u>(Number)</u>	<u>(Country)</u>	<u>(Day/Month/Year Filed)</u>
<u>(Number)</u>	<u>(Country)</u>	<u>(Day/Month/Year Filed)</u>
<u>(Number)</u>	<u>(Country)</u>	<u>(Day/Month/Year Filed)</u>

Priority Not Claimed

ANY FOREIGN APPLICATION(S), ON THE SAME SUBJECT MATTER WHICH HAS A FILING DATE EARLIER THAN THE EARLIEST APPLICATION FROM WHICH PRIORITY IS CLAIMED

<u>(Number)</u>	<u>(Country)</u>	<u>(Day/Month/Year Filed)</u>
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CLAIM FOR BENEFIT OF PROVISIONAL APPLICATION(S)

I hereby claim the benefit under Title 35, United States Code, §119(e) of any United States provisional application(s) listed below.

<u>60/252,159</u>	<u>11-20-2000</u>
(Application Number)	(Filing Date)
<u>60/188,943</u>	<u>03-13-2000</u>
(Application Number)	(Filing Date)

**CLAIM FOR BENEFIT OF EARLIER U.S. APPLICATION(S)
UNDER 35 U.S.C. 120**

(complete this part only if this is a divisional,
continuation or CIP application)

I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s), or §365(c) of any PCT international application designating the United States of America, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code §112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, §1.56 which became available between the filing date of the prior application and the national or PCT International filing date of this application:

<u>(Serial No.)</u>	<u>(Filing Date)</u>	<u>(Status)</u>
<u>(Serial No.)</u>	<u>(Filing Date)</u>	<u>(Status)</u>

POWER OF ATTORNEY

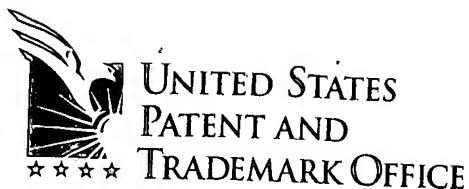
I hereby appoint the following attorneys to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith: Irving Powers (15,700), Donald G. Leavitt (17,626), John K. Roedel, Jr. (25,914), Michael E. Godar (28,416), Edward J. Hejlek (31,525), William E. Lahey (26,757), Richard G. Heywood (18,224), Frank R. Agovino (27,416), Kurt F. James (33,716), G. Harley Blosser (33,650), Paul I. J. Fleischut (35,513), Vincent M. Keil (36,838), Robert M. Evans, Jr. (36,794), Robert M. Bain (36,736), Kathleen M. Petrillo (35,076), David E. Crawford, Jr. (38,118), Richard L. Bridge (40,529), Christopher M. Goff (41,785), Derick E. Allen (43,468), Matthew L. Cutler (43,574), Michael G. Munsell (43,820), Karen Y. Hui (44,785), Anthony R. Kinney (44,834), Brian P. Klein (44,837), Sarah J. Chickos (46,157), Donald W. Tugel (45,424), Steven M. Ritchey (46,321), Michael J. Thomas (39,857), Kathryn J. Doty (40,593), Laura R. Polcyn (47,000), James J. Barta, Jr. (47,409), John M. Bodenhausen (47,432), James E. Davis (47,516), Richard A. Schuth (47,929), Debra D. Nye (P-48,260), Jennifer E. Cook (P-48,330), Dennis A. Bennett (34,547), James C. Forbes (39,457), J. Timothy Keane (27,808), Brian K. Stierwalt (33,213), James M. Warner (45,199), and Scott A. Williams (39,876).

Send Correspondence To: Direct Telephone Calls To:
Customer Number: 000321 Kathryn J. Doty
(314) 231-5400

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of sole or first inventor Michael S. South ^{ms}
Inventor's signature Michael S. South Date 8-20-01
Residence St. Louis, Missouri Citizenship US
Post Office address 11671 Chieftain Drive, St. Louis, MO 63146

Full name of second joint inventor John J. Parlow
Second inventor's signature [Signature] Date 8/24/01
Residence Arnold, Missouri Citizenship US
Post Office address 4841 Placid Hills, Arnold, MO 63010



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KJD/BSS/EJH

NOVEMBER 13, 2001

PTAS
SENNIGER, POWERS, LEAVITT & ROEDEL
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ST. LOUIS, MO 63102

Chief Financial Officer and Chief Administrative Officer
Washington, DC 20231
www.uspto.gov



101840179A

UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 09/05/2001

REEL/FRAME: 012144/0248
NUMBER OF PAGES: 4

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:
SOUTH, MICHAEL S. /

DOC DATE: 08/20/2001

ASSIGNOR:
PARLOW, JOHN J. /

DOC DATE: 08/20/2001

ASSIGNEE:
PHARMACIA CORPORATION /
4901 SEARLE PARKWAY
SKOKIE, ILLINOIS 60077

SERIAL NUMBER: 09804959 /
PATENT NUMBER:

FILING DATE: 03/13/2001 /
ISSUE DATE:



SHARON LATIMER, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

09-13-2001

Form PTO-1595

(Rev. 03/01)

OMB No. 0651-0027 (exp. 5/31/2002)

Tab settings   

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U. S. DEPARTMENT OF COMMERCE
U.S. Patent and Trademark Office

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Michael S. South
John J. Parlow

S-501

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

2. Name and address of receiving party(ies)

Name: Pharmacia Corporation

Internal Address:

SEP - 5 2001

Street Address: 4901 Searle Parkway

City: Skokie State: Illinois Zip: 60077

Additional name(s) & address(es) attached? ☐ Yes ☒ No

3. Nature of conveyance:

☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ Other

Execution Date: August 20, 2001

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: _____

A. Patent Application No.(s)

B. Patent No.(s)

09/804,959

Additional number(s) attached ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Kathryn J. Doty

Internal Address:
Senniger, Powers, Leavitt & Roedel

Street Address:

One Metropolitan Square, 16th Floor

City: St. Louis State: MO Zip: 63102

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41).....\$ 40.00

☒ Enclosed☐ Authorized to be charged to deposit account

8. Deposit account number:

19-1345

(Attach duplicate copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Kathryn J. Doty
Name of Person SigningKathryn J. Doty
SignatureSeptember 5, 2001
Date

Total number of pages including cover sheet, attachments, and document: 4

Mail documents to be recorded with required cover sheet information to:
Commissioner of Patent & Trademarks, Box Assignments
Washington, D.C. 20231

09/13/2001 LRIJELLER 00000074 0180-0559 40.00 OP 01 FC:581

ASSIGNMENT

WHEREAS, We Michael S. South of St. Louis, Missouri and John J. Parlow of Arnold, Missouri, have invented an improvement in POLYCYCLIC ARYL AND HETEROARYL SUBSTITUTED BENZENES USEFUL FOR SELECTIVE INHIBITION OF THE COAGULATION CASCADE (File 3455(PHA 4163)) and have executed an application for a United States patent based thereon Serial No. 09/804,959, filed March 13, 2001;

AND, WHEREAS, Pharmacia Corporation of Chicago, Illinois, a corporation of the State of Delaware (hereinafter referred to as "ASSIGNEE") is desirous of acquiring certain rights thereunder;

NOW, THEREFORE, for one dollar and other good and valuable consideration, receipt of all of which is hereby acknowledged, we have agreed to and do hereby sell, assign and transfer unto said ASSIGNEE the entire right, title and interest in and throughout the United States of America (including its territories and dependencies) and all countries foreign thereto in and to said invention, said United States application, any other United States applications (including provisional, non-provisional, divisional, continuing, or reissue applications) based in whole or in part on said United States application or in whole or in part on said invention, any foreign applications based in whole or in part on any of the aforesaid United States applications or in whole or in part on said invention, and any and all patents (including extensions thereof) of any country which have been or may be granted on any of the aforesaid applications or on said invention or any part thereof;


TO BE HELD AND ENJOYED by said ASSIGNEE, its successors and assigns, as fully and entirely as the same would have been held and enjoyed by us had no sale and assignment of said interest been made;

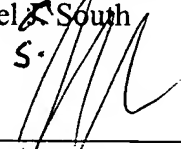
AND We hereby authorize and request the Commissioner of Patents of the United States of America to issue any and all United States patents which may be granted upon said United States applications or any of them, or upon said invention or any part thereof, to said ASSIGNEE;

AND We hereby jointly and severally agree for ourselves and for our respective heirs, executors and administrators, to execute without further consideration any further lawful documents and any further assurances, and any provisional, non-provisional, divisional, continuing, reissue, or other applications for patents of any country, that may be deemed necessary by said ASSIGNEE fully to secure to said ASSIGNEE its interest as aforesaid in and to said invention or any part thereof, and in and to said several patents or any of them;

AND We hereby jointly and severally covenant for ourselves and our respective legal representatives that we have granted no right or license to make, use or sell said invention, to anyone except said ASSIGNEE, that prior to the execution of this deed our right, title and interest in said invention had not been otherwise encumbered, and that we have not executed and will not execute any instrument in conflict herewith.

IN WITNESS WHEREOF, we have hereunto set our hands.



Michael S. South mss
S. 

John J. Parlow

ACKNOWLEDGMENT

STATE OF Missouri)

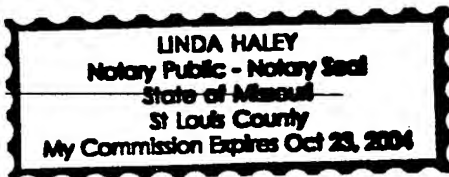
COUNTY OF St. Louis)

On this 20 day of August, 2001, before me, a Notary Public, personally appeared Michael S. South to me known to be the person described in and who executed the foregoing assignment and acknowledged that he executed same as his free act and deed.

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal the date and year last above written.

Linda Haley
Notary Public

My Commission Expires:



STATE OF Missouri)

COUNTY OF St. Louis)

On this 20 day of August, 2001, before me, a Notary Public, personally appeared John J. Parlow to me known to be the person described, in and who executed, the foregoing assignment and acknowledged that he executed same as his free act and deed.

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal and the date and year last above written.

Linda Haley
Notary Public

My Commission Expires:

